

**METHODS FOR DETECTING ASYMMETRIC DIMETHYLARGININE IN A BIOLOGICAL SAMPLE**

**ABSTRACT OF THE DISCLOSURE**

The present invention provides methods of detecting asymmetric dimethylarginine (ADMA) in a sample, particularly a sample that may contain symmetrical dimethylarginine (SDMA) and/or arginine. The methods generally involve modifying any SDMA and arginine in the sample such that SDMA and arginine are readily distinguishable from ADMA; and detecting ADMA. The invention further provides antibodies specific for ADMA; antibodies specific for modified SDMA; and antibodies specific for modified arginine. The invention further provides kits for practicing the subject methods.